8/05/82

WHITE RIVER SHALE PROJECT ENVIRONMENTAL MONITORING

August, 1982

AIR RESOURCES

- o Continuing problems with data aquisition system at A-10. Unit returned to manufacturer. Mechanical meteorological station operating.
- o Routine monitoring

VEGETATION

EPA andil

- Pield identification and sampling of cryptogamic crusts along aerial stress flightline continuing.
- o Reclamation research laboratory studies begun on fresh Union B processed Utah shale. (Ludiest feet)
- Laboratory analysis of vegetation and soil microbiology samples continuing.

AQUATIC BIOLOGY

- o Due to numerous recent storms the physical characteristics of several White River sampling transects has changed.
- o Sampling for heavy metals continued.
- o Final 1981 WRSP fisheries study report being prepared.
- o Routine monitoring.

TERRESTRIAL WILDLIFE

 Routine monitoring including rodent trapping, mammal transects, and foilage/soil invertebrate sampling.

WATER RESOURCES

- o Annual QC audit of water resources program conducted.
- o Heavy thunderstorm north of tract caused damage to access road construction. Precipitation station RV-7 measured 1.73 inches from storm. On-tract stations ranged from 0.1-0.57 inches.
- o Hydrogeological characterization report submitted to OSO.
- o Routine monitoring.

PLANNED ACTIVITIES FOR SEPTEMBER, 1982

- o Finalize well drilling program for plant runoff dam monitoring.
- o Routine monitoring.

P. T. Carl

Hater Annesting

Lynhold -Bright Marting was .

TABLE 1

Permits/Approvals Acquired as of 8-23-82

- 1. Core Drilling TUP-BLM (8/24/81)
- Authorization to Drill (shaft core drilling) Utah Division of Oil, Gas, and Mining (9/15/81)
- 3. Authorization to Investigate (shaft core drilling) Utah Division of Water Rights (9/24/81)
- 4. Endangered Species Biological Assessment/Clearance USFWS (9/15/81)
- 5. Temporary Application to Appropriate Water (shaft core drilling) Utah Division of Water Rights (10/21/81)
- 6. Approval for Tract Access Road Roadbed Width Oil Shale Office (10/26/81)
- 7. Raw Shale Storage TUP-BLM (11/2/81)
- 8. Authorization for a Test Well (alluvial well exploration) -Utah Division of Water Rights (2/26/82) - verbal authorization.
- 9. Temporary Application to Appropriate Water (alluvial well exploration) Utah Division of Water Rights (2/26/82) verbal approval
- 10. NPDES Exemption (alluvial well exploration) EPA (2/26/82) verbal approval
- 11. Construction Permit (alluvial well exploration) Utah Bureau of Water Pollution Control (2/16/82)
- 12. Geotechnical Shaft Coring Status Report Utah Division of Oil, Gas, and Mining (1/28/82)
- 13. DDP OSO (3/2/82)
- 14. Tract Access Road OSO notification (3/15/82)
- 15. Tract Access Road UBAQ notification (3/16/82)
- 16. Alluvial Well Exploration Plan OSO (3/22/82)
- 17. Temporary Application to Appropriate Water (site geotechnical coring and tract access road) Utah Division of Water Rights (4/2/82)

Permits/Approvals Acquired as of 8-23-82 Page 2

- 18. Interim Construction Camp Uintah County notification (4/8/82)
- 19. Interim Construction Camp OSO approval (4/19/82)
- 20. Site Geotechnical Investigation OSO approval (4/23/82)
- 21. Off-tract Geotechnical Investigation BLM TUP (4/28/82)
- 22. Archaeological Clearance for Site 42UN407 OSO, BLM, Utah Division of State History (4/29/82)
- 23. Use of P-1 Holding Pond for Access Road Construction Water Verbal approval from Utah Division of Water Rights (5/6/82), Utah Bureau of Water Pollution Control approval (5/6/82), OSO approval (5/11/82)
- 24. Mine Decline Transfer Point Test Core OSO Approval (6/8/82) and Utah Division of Oil, Gas and Mining Approval (6/8/82)
- 25. Exploratory Drilling in Hell's Hole Canyon Utah Division of Oil, Gas and Mining Approval of Letter of Intention to Commence Exploratory Drilling (6/8/82)
- 26. Temporary Application to appropriate water (250 acre-feet, for Phase I construction activities) Utah Division of Water Rights (6/14/82)
- 27. OSO Approval for 25,000 yards of borrow for tract access road (7/14/82)
- 28. Interim Approval for mine related site prep associated with mine access road, production decline and related shaft areas and mine services building Utah Division of Oil Gas and Mining (7/8/82)
- 29. Uintah Basin Health Dept. approval of Interim RV Camp sewage system (verbal approval on 7/14/82, written approval not yet received)
- 30. OSO approval to proceed with mine related site prep as sought in WRSOC's 5/24/82 letter (verbal approval 7/16/82)
- 31. Mine Services Building OSO notification (7/15/82)

Permits/Approvals Acquired as of 8-23-82 Page 3

- 32. Mine services building plan approval from Uintah County Zoning Office (7/26/82)
- 33. Oil Shale Office approval to revegetate side slopes along the tract access road using WRSOC's proposed seed mix (8/2/82)
- 34. Approval to proceed with production well program (i.e., 404 permit not required) from U. S. Army Corps of Engineers (8/3/82)
- 35. Archaeological clearance for production well area and related access road BLM (8/4/82)
- 36. OSO notification of plans to drill production wells and plans to discharge pump test waters directly to White River (8/3/82 and 8/9/82, respectively)
- 37. PSD Permit Utah Bureau of Air Quality (8/4/82)
- 38. TUP for Northwest Quarter of Southwest Quarter of S15, R24E, T10S BLM (8/10/82)
- 39. UDOGM approval for 10,000 yards of borrow from retention pond area (8/13/82)
- 40. Approval to discharge production well pump test waters directly to the White River EPA Region VIII (8/19/82)
- 41. Notice of Intent to Commence Mining given to MSHA and MSHA Mine I.D. No. received (8/11/82 and 8/23/82, respectively)

I for the self all

TABLE 2

Permit Application/Approval Request/Plans Submitted to Cognizant Agency as of 8-23-82

- 1. Deleted: PSD EPA (submitted 8/28/82; completeness notification 10/8/81)
- 2. Deleted: County Building Permit for Access Road (submitted 3/22/82)
- 3. Mining Permit Utah Division of Oil, Gas and Mining (5/4/82)
- 4. OSO Approval for Project Schedule
- 5. UBAQ Approval to begin Access Road Paving without PSD Permit (requested 5/24/82)
- 6. Permit to drill production wells Utah Division of Water Rights (8/3/82)
- 7. Approval for potable water system for RV Camp from Uintah County Health Dept., in conjunction with Utah Bureau of Public Water Supply (8/5/82)
- 8. Permit to discharge production well pump test waters to the White River and permission to use existing holding pond during pump tests to hold initial production waters Utah Bureau of Water Pollution Control (8/9/82)

9. Microwave Radio License Application - FCC (8/19/82)

Displais

. . . 2

TABLE 3

Permit Applications/Approval Requests/Plans in Preparation as of August 23, 1982 (submittal date)

General:

 Archaeological Sites Assessment - Utan Bureau of State History

Mine Services Building:

- 1. SPCC Construction Plan*
- 2. Explosive Permit Surface* (if needed)
- 3. Public Water Facility (September 15, 1982)
- 4. OSO Approval Sanitary WWT (September 1, 1982)
- 5. Utah Bureau of Water Pollution Control Construction Permit for Sanitary WWT (September 1, 1982)

Retention Pond and Dam:

- 1. Right-of-Way Application (August 27, 1982) -
- 2. State Engineer's Approval to Construct (September 17, 1982)
- 3. Utah Bureau of Water Pollution Control Construction Permit (September 17, 1982)
- 4. OSO Approval (September 17, 1982)
- 5. Water Appropriation for Runoff Utah Department of Water Resources (September 1, 1982)
- 6. NPDES Permit US EPA (Oct. 1, 1982) Mine:
- Construction Permit Mine Dewatering Facility (If needed)
- 2. Mine Related DDP Update to OSO (September 6, 1982)

Miscellaneous:

- 1. Solid Waste Disposal Plan (September 6, 1982)
- Power Generation Air Emissions (preliminary calculations completed July 26, 1982)
- 3. Borrow locations for Phase I construction and related permits
- 4. Temporary power facilities OSO approval (Sept. 6, 1982)
- 5. Permanent power facilities OSO approval (Oct. 15, 1982)
- *8; Subcontractor Monitor by Parsons/NPSOC

Apple DDP